



STDN DAILY REPORT
FOR GMT DAYS
26, 27, 28 and 29 OCTOBER 2000

Part I. Operations

26 OCTOBER

A. SN Anomalies:

1. TERRA Support

26/141650-235719Z

TERRA POCC reported that for 10 events they were unable to dump the K-Band data due to an onboard science data formatter problem. There was a total of 3 hours 13 minutes and 28 seconds of service/data loss was reported. TTR # 23066

2. ERBS Support

26/222741-224046Z

The ERBS event locked at expected AOS. I Channel lock was lost and ERBS POCC attempted 2 re-acqs which failed to lock the I channel. ERBS POCC reported no data loss and informed STGT that the abrupt drop out may have been caused by a POCC initiated telemetry format change. TTR # 23067

2224-2254Z TDS MAR3 19 Min. 40 Sec. Svc Loss

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies: - None.

D. The TDRS-5 East maneuver was nominal.

27 OCTOBER

A.SN Anomalies:

1. TERRA Support

27/000000-165300Z

TERRA POCC reported they were unable to dump K-Band for 15 events during the above time frame due to an onboard science data formatter problem. A total of 5 hours 6 minutes and 59 seconds of service/data loss was reported. The K-Band Formatter on board the spacecraft was reset and good science followed. TTR # 23068

2. ERBS Support

27/013853-015750Z

ERBS reported no acquisition of data. SGLT-3 locked to data. Comm Manager reported data can be seen going thru the network to the POCC. In-house problem at POCC. Data was recorded at STGT for later playback. TTR # 23069

013823-020100Z 171 SSA2 18 mins 57 secs service loss

3. TERRA Support

27/024416-030312Z

SHO was scheduled on FWD LI "B". at approx. 025800Z, POCC advised that the FWD on FWD LI "B" but needed to be on FWD LI "D". SS requested EDOS personnel to reset the GSIF equipment once the reset was completed, a FWD OPM-3 was sent to manually fail over the FWD LI FROM "B to D" and the FWD service was established at 030312Z. TTR # 23070

024416-030522Z 275 SSA2 18 mins 56 secs service loss

4. TERRA Support

27/042200-044600Z

The event was scheduled with forward service on LI "B" and during Prepass briefing the POCC requested that a forward OPM-3 to LI "D" be ready in the event that commands did not go out. Following event start time the OPM-3 was sent putting the forward on LI "D". Once the POCC started commanding it was noted that verifiable commands to the spacecraft were intermittent at best. Midway through the event, the POCC performed a manual failover on the command equipment, however the problem persisted. The anomaly is under investigation. TTR # 23071

275 SSAF2 24 Min. Svc Loss

5. TOPEX Support

27/083516-083751Z

The return service dropped lock and re-acquired without intervention from the POCC or WSC, reason unknown. TTR # 23073

TDE MAR3 16KB 0821-0851Z 02 Min. 35 Sec. Svc/Data Loss (Recov)

6. WSC/GODDARD ISC Circuit

27/153600-154400Z

The users experienced no ODM/GCMR capability due to a suspected cut cable at Fort Smith, Arkansas. TTR # 23074

TDE HST MAR 153545-162800Z 08 Min. Svc Loss

TDE UARS MAR 154300-161100Z 01 Min. Svc Loss

B. ISS/ECOMM Anomalies:

1. WSC/GODDARD ISC Circuit

27/153600-154400Z

The users experienced no ODM/GCMR capability due to a suspected cut cable at Fort Smith, Arkansas. TTR # 23074

275 ISS SSA1 150202-154949Z 08 Min. Svc Loss

C. GN Anomalies:

1. AGS/TRACE Support

27/0338-0350Z

LEOT TLM processor was in a maintenance configuration at the start of the Trace support and hung up when it was initialized for support. Command connection was established to the project however no real-time data was shipped. All data was recovered at TOTS for a post pass playback. TTR # 23072

12 minutes service/data loss

2. WGS/TOMS-EP Support

27/162208-163458Z

Ops shifted the support to the 9M system about 9 minutes before AOS because the TOTS terminal used for TOMS-EP was not functioning properly. Following AOS, the project sent a command to the S/C and everything looked nominal. The project sent the command to turn on the dump (202kb) data. WPS saw the command come through the system but the dump did not come on. After several attempts a request was made to switch back to TOTS but it was too late. The system was checked post pass with no problems noted. The reason for the anomaly is unknown. TTR # 23075 CDS ID # 17285

12 Min. 50 Sec. Svc/Data Loss (Recov)

28 OCTOBER

A. SN Anomalies: - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies:

1. AGS/TRACE Support

28/163417-163600Z

Loss of data and commanding due to an operator error at the site. The wrong TPCE window was closed, requiring a reboot at 17 minutes prior to AOS. The TPCE was configured prior to AOS, however, PAC#1 still had to be manually initiated. This caused the antenna to run away. The antenna was finally reconfigured and the support was acquired. TTR # 23076 CDS ID # 17292

TOTS 163417-164445Z 1 Min. 43 Sec. Svc/Data Loss (Recov)

2. AGS/TEP Support

28/204222-205638Z

Digital matrix switch hung preventing data from going to project. Reset DMS and power cycled with no improvement. Project did not get RT data. TTR # 23077 CDS # 17293

TOTS 204222-205638Z 14 Min. 16 sec. Svc/Data Loss (Unknown if recoverable)

3. AGS/SNOE Support

28/2116-2127Z

Operator did not disable carrier for one-way only pass. S/C is sensitive, having unscheduled carrier up may have caused damage. TTR # 23078 CDS # 17294

TOTS 211600-212700Z 11 Minutes Svc/Data Loss (Unknown if recoverable)

29 OCTOBER

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

D. GN Anomalies:

1. AGS/TOTS-1 TOMS-EP Support

29/1012-1026Z

When the problem was discovered at AOS - 20 min., troubleshooting progressed from the TOTS Trailer to TMA. Where the cause was found, PTP #1 output ports were disabled, controlling data line number 63759 (9.6k) and 63763 (1.2m). PTP #2 outputs were OK. A call to Tech Control was made, problem was located and corrected, from their end. TOTS UPS system didn't record any power hits for the last 48 hours, that would

have affected any of the system equipment. Cause for failure unknown See also IDR # 00017293. TTR # 23079 CDS ID #17295

14 minutes service/data loss recoverable

2. AGS/TOTS-1 FAST Support

29/2137-2149Z

Attempted to reset switch several times throughout the pass to no avail. No data or commands were sent realtime. System configuration was also loaded several times. Goddard Tech Control confirmed problem was not on their end. Rescheduled for next Orbit # 23231. Project was able to complete their commands and also received their data. Power was cycled on and off on digital switch for upcoming FAST support and system worked normally. System was turned green at 2159Z. TTR # 23080 CDS ID # 17296

12 minutes service/data loss recoverable

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

Part IV. Scheduled Activities:

Part V. Launch Forecast Changes

* 1.) M2097LS (STS-97/ISS-06,4A) 336 01 DEC.,2000 T-0 =
0300Z

* 2.) D5907LS (TITAN-IV/B41) 033 02 FEB.,2001 T-0 =
LAUNCH PERIOD (02/2036-03/0036Z)

*3.) H3332LS (ATLAS/DIRECTV) INDEFINITE.,2001 T-0 =
UNKNOWN